BNDO·33/28/4/17 JOB Code No 014-16-00003?-3089
T.S.No CE/DH/30/16-17 dt 25-7-16

BNDO First & Final

M.A.R. 57 (Rule 116)

Measurement Book

No. C/09 172064

Serial No.....

Name of work. Improvement to roads from chains at Munchavara vagona and Dhobi vagona ward No 14 Bogolgule

Name of Contractor of nature of Agency.....

Date of commencement of work. R with Dno 66 Nitorpadlang - 3rd March 2nd Cum Recondition Work Valued - 57320/- CE/DD/WO/16-17 dt 7-7-2017

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
1	Sends with Sheetwalls by hand removing ordinary Soil within an average horizontal Throw up to 2mts and an average lift up to 0.50 m Excavated Surface levelled and Soil neatly dressed the disposed earth to be levelled neatly after taking of Cheddy Explant approximate Quantity present refers as vide PNO 172058/1 - 172059/1 of Item No 3 -			0.75 mtrs		370.59 Cum	27794/-
2	Scarifying/Gravel/metal Crushed to 150 mm thick and proper disposal of Stuff within lead of 50 m Laterite clay Explant Quantity Measurement refered vide PNO 172058/1 + 172059/2 of Item No			0.20 mtrs		1771.10 Sqm	35420/-

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
3	Construction of Subgrade Using approved Material Gravel Murrum with all lead lift transportation to site Spreading evenly in required layers and Ephedrating to required level and to 300 mm depth over Stretch (Between RD 0/0 to RD 1/0 of Stretch) Murrum with all Charges & Compaction by vibratory roller) Quantity present received vide proc 172060/1 & 172060/2			300 mm/c		796.95 Cum	239085/-
4	Laying B.B Stone Packing and Shaping Stone Cycle. Quantity present received vide proc 172060/2 Ref Pg.				50 mm thick	243.90 Sqm	12150/-
5	Providing and laying RCC Pedestal of Mix 1:4:8 with 40 mm Graded Aggregate 20 mm Nominal Size of Stone Murrum and all Graded Stone metal Crush aggregate 20 mm Nominal Size of Stone Murrum in layer not exceeding 150 mm thick well Compacted. With Labour charges Plant Hiring Charges for all Crushers Engine Hire & Machinery Lifting Complete as per Specifications						

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Measurement Book

No. C/09

172065

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Quantity procured vide MB-	PW 172	061/1			84.75 Cu	381375/-
				@ 4500 rft/Cu			
6	Providing and laying in position RCC of mix 1:3:6 with 20mm and d/s graded granite metal coarse aggregate 0.56 cu meter using normal concrete less in layers not exceeding 150 mm thick well cured as per drawings and plinth filling cost of all materials labour etc complete complete	2	60.00	0.20	0.07	1.80	
		2	60.00	0.20	0.07	1.80	
		2	60.00	0.20	0.07	1.80	
		2	54.00	0.20	0.07	1.62	405001-
		2	66.00	0.20	0.07	1.98	
				@ 4500 rft/Cu		9.00 Cu	
						84.75 Cu	
						0.84 Cu	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
7	Providing and laying in position PCC 1:2:4 using 10 mm and down graded granite metal coarse aggregate 00 to 6 mm nominal size and fine aggregate conforming to IS 383 including all leads, lifts, curing, cost of materials, labour charges for all operations complete as per direction of Engineer-in-charge with mixing in mechanical mixer.	1	75.00	5.20+4.80/2	0.10	39.00 cum	16940/-
				Total		38.50 cum	
			4400.00/cum				
8	Refixing salvaged Teak wood frame of door, window and ventilator including necessary repairs, cutting and chiseling of openings in brick masonry, fixing with necessary screws, nails, hinges, etc. complete as per direction of Engineer-in-charge. Old material received vide PWD 172060/2 of Carpentry					243.00 Sq	1320/-
						70.00/Sq	
9	Providing granite Slab of Selected colour in polished finish and fixing in cement mortar (1:6) including	1	60.00	1.35		81.00	97200/-
		1	60.00	1.35		81.00	
						162.00 Sq.m	
						600.00/Sq.m	

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Measurement Book

172066

No. C/09

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
10	providing and casting pre cast cement concrete solid block kerb (cement 250 kg/cum mix cement mortar 1:4 proportion) over plain cement concrete block of size 40×20×20 cm including all lead, labour charges, scaffolding charges as per specification complete as per specification	2	60·00	0·40	—	48·00	
		2	60·00	0·40	—	48·00	
		2	60·00	0·40	—	48·00	
		2	54·00	0·40	—	43·20	
		2	66·00	0·40	—	52·80	
						240·00 Rft.	228000/-
11	Supplying and fixing pre cast reinforced cement concrete slab cover including cost of reinforcement as per design and drawing including cost of transportation, labour charges of machinery required including the						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Vertical face to get plain Sewer Surface Layer all over all						
		1	60.00	0.90	—	54.00	
		1	60.00	0.90	—	54.00	
		1	60.00	0.90	—	54.00	
		1	54.00	0.90	—	48.60	
		1	66.00	0.90	—	59.40	351000/-
				@ 1300/Rm		270.00 Rm	
12	Construction of granular Sub-base by providing coarse aggregate and two aggregate of granite broken stone metal Spreading in uniform layer with motor grader in proper Camber using water by a mix in a plant machine and to lower of compacted layer with vibratory to achieve the desired density Complete as per Specification this measurement required and paid 17206/1 Nos MB. 17206/1 Nos MB.					231.04	277320/-
				@ 1200/Cum			

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172067

Measurement Book

No. C/09

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
13	Providing and laying Spreading and Compacting graded stone aggregate hand mix Macadam Specification including the watering but water at one to mechanical mix plant Carriage of mix material by tipper to site layer in Consolidated layer on well prepared Surface and Compacting wet stone Sub-Base Course as well prepared Surface and Compacting wet stone Recently prepared road (Chainage 172062/1 to 172063/1)		172062/1 to 172063/1			577.75 Cum	E.E. ID 866625
14	Providing and applying primer coat to Bituminous Surface on prepared Surface of Granular base such as W.B.M. or WMM. including Cleaning of the Surface and Spraying primer at the rate of 0.60 kg/sq.m. using mechanical means Complete as per Specifications						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		1	60.00	1.70	—	102.00	
		1	60.00	1.70	—	102.00	
		1	60.00	1.70	—	102.00	
		1	54.00	1.70	—	91.80	
		1	66.00	1.70	—	112.20	
		~~1~~	~~30.00~~	~~5.10+5.40~~ / 2	—	~~157.00~~	
		~~1~~	~~20.00~~	~~5.40+5.80~~ / 2	—	~~112.00~~	
		1	30.00	5.40+5.80 / 2	—	166.00	
		1	30.00	~~5.80+6.00~~ / 2	—	158.00	
		1	~~14.00~~	~~4.80+4.00~~ / 2	—	~~65.80~~	
		1	23.00	4.70+4.30 / 2	—	108.10	
		1	30.00	5.10+5.40 / 2	—	157.00	
		1	20.00	5.40+5.80 / 2		112.00	
	DB Work	3	30.00	5.70+5.40 / 2	—	166.50	
		1	30.00	5.40+6.80 / 2	—	193.00	
		1	14.00	4.80+4.60 / 2	—	65.80	

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172068

Measurement Book

No. C/09

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	2nd Cum	1	30 m	5.80+5.30 / 2	H	168.0	
		1	30 m	5.30+5.70 / 2	—	153.0	
		1	23.00	5.10+4.30 / 2	—	108.10	
	3rd Cum	1	30 m	5.80+5.40 / 2	—	168 m	
		1	30 m	5.40+5.10 / 2	—	158 m	
		1	30 m	5.10+5.20 / 2	—	153 m	
		1	30 m	5.20+5.70 / 2	—	157.50	
		1	21 m	5.70+5.00 / 2	—	106.05	5.777
				25 m Lg		2311.95	

1st Class the Excavation should be stopped & finished with hoeing & Finally dressed to old Survey by Engineer

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Cr Copper earth tape received by Thermo Treatment Works Colour Hm of Mr Sundaresan Engg						
		1	30.00	$\frac{5.80+5.40}{2}$	—	168.00	
		1	30.00	$\frac{5.40+5.30}{2}$	—	160.50	
		1	30.00	$\frac{5.30+4.40}{2}$	—	145.50	
		1	30.00	$\frac{4.40+4.60}{2}$	—	135.00	
		1	30.00	$\frac{4.60+5.00}{2}$	—	144.00	
		1	30.00	$\frac{5.00+5.10}{2}$	—	157.50	
		1	30.00	$\frac{5.10+5.40}{2}$	—	157.50	
		1	34.00	$\frac{5.40+5.80}{2}$	—	190.40	3755
				@3.00/Kg		1257.90 Kg	
16	Procuring and supplying Kraft cork with paper between tapping Sixteen at 57 Kg per 10 Sq meters						

M.A.R. 57 (Rule 116)

Measurement Book

172069

No. C/09

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measureme
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Providing and laying in position cement concrete of all ordinary grades (except design mix concrete) in all shapes and sizes as directed, including curing, but excluding the cost of centering, shuttering, finishing and reinforcement, complete.						
	Ordinary Grade (1:5:10) using 40 mm nominal size graded stone aggregate					1257.90 cft	15022
17	Providing and laying in position machine batched and machine mixed cement concrete using graded stone aggregate 40 mm nominal size as per design mix for RCC work including transportation, placing, compacting, curing etc. complete but excluding the cost of centering, shuttering and reinforcement.						
	M-20 Grade						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Lots 33+ bottles but Sealing the cost of Power from mobile. 3.3+.VG 30 bottles						
		1	60 m	1.20	0.05	5.40	
		1	60 m	1.20	0.05	5.40	
		1	60 m	1.20	0.05	5.10	
		1	54 m	1.20	0.05	4.35	
		1	66 m	1.20	0.05	5.67	
		1	20 m	1.70	0.05	1.70	1485001r
				Lumber is	27.20 cu	27.20 cu	
				@ 5500/cu			
18	Moulding and laying of kerbs Concrete Lots but was placed using Ready Aggregate of Specified Grading Measurements taken by Ruler and offsets transplay the hot mix to avoid the laying Lots power failure the roller Grade level or adjust Mixing Lots Smooth where Wheels and tracking Allow to ensure the desired Operation esp inner Sounds clay soon after.						
		1	30 m	$\frac{5.80+5.40}{2}$	0.045	7.56	
		1	30 m	$\frac{5.40+5.20}{2}$	0.042	7.02	
		1	30 m	$\frac{5.20+5.20}{2}$	0.045	6.88	

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Measurement Book No. C/09

Passed by Cheque for Rs. —

From — To

by adjustment

Accounts Assistant II
C.M.P. Basavanahalli Division

Executive Engineer

Serial No.....

Name of work.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		1	30.00	5.20+5.10 / 2	0.045	6.93	
		1	21.00	5.10+5.00 / 2	0.045	4.77	
		1	30.00	5.30+5.30 / 2	0.045	7.56	
		1	30.00	5.30+5.10 / 2	0.045	7.02	
		1	23.00	5.10+4.30 / 2	0.045	4.86	
						52.60 cum	
						50.72 cum	
19	Disposal of debries to the Pulpalli dumping yard with all lead & lift as directed by the Superviser	—	—	—	—	372.00 cum @ 850/- per cum	29760/-
	Certified that the above measurement is correct & the work has been executed as per the estimate & there are no deviations. Contractor has done all debris safely.					Total	3428926-00

Verified

23/4/2017

3488726-00
3170644-92070

258082-00

431025-00

431120/-

3428926-00

MEASUREMENT BOOK

Date	Full description, etc. of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8